

**IN THE CLAIMS:**

1.-9. (Cancel)

10. (New) A measuring device for analyzing exhaust gases of a combustion engine, comprising at least one exhaust gas supply line which is connectable to the exhaust system of the combustion engine and which supplies at least one measuring branch, each provided with at least one analysis unit for determining exhaust gas constituents, wherein a filter device is provided in at least one cool measuring branch upstream of the analysis unit and/or between different components of the analysis unit and/or on the output side of at least one analysis unit of one of the measuring branches, which filter unit comprises a filter material that is selective with regard to gaseous hydrocarbons.

11. (New) A measuring device according to claim 10, wherein the filter device contains a filter material selected from a group consisting of zeolites and silicates.

12. (New) A measuring device according to claim 10, wherein the filter device is arranged upstream of an exhaust gas cooling device upstream of an analysis unit, so that the transport of condensate originating in the filter device occurs by the gas flow in the direction of the exhaust gas cooling device.

13. (New) A measuring device according to claim 10, wherein the filter device is arranged above an exhaust gas cooling device provided

upstream of the analysis unit, so that the transport of condensate originating in the filter device occurs by gravity in the direction of the exhaust gas cooling device.

14. (New) A measuring device according to claim 10, wherein the filter device is an integral component of the analysis unit.

15. (New) A measuring device according to claim 10, wherein the filter device is arranged on the output side of at least one of the measuring branches of the measuring device.

16. (New) A measuring device according to claim 10, wherein the filter material is a granulate with a grain size of up to 30 mm.

17. (New) A measuring device according to claim 10, wherein the filter material is a granulate with a grain size between 4 mm and 10 mm.

18. (New) A measuring device according to claim 10, wherein the filter device consists of a disposable cartridge, a cartridge with a refill set or a refillable cartridge.

19. (New) A measuring device according to claim 18, wherein the cartridge comprises a dust filter at least on the output side.

20. (New) A measuring device according to claim 10, wherein the analysis unit of the cool measuring branch comprises sensor devices for determining the CO, CO<sub>2</sub> and/or O<sub>2</sub> content of the exhaust gas.

21. (New) A measuring device according to claim 10, wherein said measuring device is a test stand for engines and vehicles.